

Title (en)

Supported catalysts and their use for converting methane and for dehydrogenating hydrocarbons.

Title (de)

Trägerkatalysatoren und ihre Verwendung zur Umwandlung von Methan und zur Dehydrogenierung von Kohlenwasserstoffen.

Title (fr)

Catalyseurs à support et leur utilisation pour la conversion du méthane et la déhydrogénation d'hydrocarbures.

Publication

EP 0179869 A4 19880215 (EN)

Application

EP 85902301 A 19850415

Priority

- US 60091284 A 19840416
- US 60092584 A 19840416
- US 60092684 A 19840416
- US 60094084 A 19840416
- US 60113684 A 19840416
- US 68311884 A 19841218

Abstract (en)

[origin: WO8504821A1] An improved method for converting methane to higher hydrocarbon products by contacting a gas comprising methane with a contact agent at a selected temperature, the agent comprising a reducible metal oxide, a support of oxides of silicon or alkaline earth metal, and an alkali metal.

IPC 1-7

B01J 21/00; **B01J 23/04**; **C07C 2/00**

IPC 8 full level

C07C 2/84 (2006.01); **B01J 21/00** (2006.01); **B01J 23/04** (2006.01); **B01J 23/08** (2006.01); **B01J 23/14** (2006.01); **B01J 23/18** (2006.01); **B01J 23/34** (2006.01); **B01J 32/00** (2006.01); **C07B 61/00** (2006.01); **C07C 1/00** (2006.01); **C07C 2/00** (2006.01); **C07C 9/02** (2006.01); **C07C 9/06** (2006.01); **C07C 11/02** (2006.01); **C07C 11/04** (2006.01); **C07C 67/00** (2006.01)

IPC 8 main group level

B01J (2006.01)

CPC (source: EP)

B01J 23/18 (2013.01); **B01J 23/34** (2013.01); **C07C 2/84** (2013.01); **C07C 2521/08** (2013.01); **C07C 2521/10** (2013.01); **C07C 2523/02** (2013.01); **C07C 2523/04** (2013.01); **C07C 2523/08** (2013.01); **C07C 2523/14** (2013.01); **C07C 2523/18** (2013.01); **C07C 2523/34** (2013.01); **Y02P 20/52** (2015.11)

Citation (search report)

- [YP] US 4499322 A 19850212 - JONES C ANDREW [US], et al
- [Y] US 3974229 A 19760810 - VAN SORGE BERNARDUS J
- See references of WO 8504821A1

Cited by

US5902918A; US5895829A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 8504821 A1 19851107; AT E81606 T1 19921115; AU 4293085 A 19851115; AU 584619 B2 19890601; BR 8506608 A 19860415; CA 1236078 A 19880503; DE 3586769 D1 19921126; DE 3586769 T2 19930304; DK 579785 A 19851213; DK 579785 D0 19851213; EP 0179869 A1 19860507; EP 0179869 A4 19880215; EP 0179869 B1 19921021; JP H0667473 B2 19940831; JP S61501966 A 19860911; MX 162851 B 19910628; NO 165874 B 19910114; NO 165874 C 19910502; NO 855022 L 19860214

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